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She Carter is Professor of Physics, Associate Dean of Graduate Studies, and the Director for the Center for Innovation and Entrepreneurial Development at the University of California, Santa Cruz (UCSC). She holds a Ph.D. in Chemistry from the University of Chicago, and a BA in Mathematics, Chemistry, and Physics from Kalamazoo College. She has worked as a research staff member at several companies, including ARCH Development, General Motors, UpJohn (now Pfizer), AT&T/Lucent Bell Laboratories (Murray Hill) and IBM Almaden Research Center. Over the last decade, Carter has served as the chief technical advisor and/or scientific founder at four start-up companies, including Add-vision (sold in 2011), Solexant (now Siva Power), Soliculture and IRIS Science Academy (both founded in 2012) and has also served as a scientific advisor to companies like Nitto Denko, Abengoa, and Integrated Biometrics. Carter holds six patents and one patent-pending. She is currently the director of the NSF I-Corps site at UCSC. With more than 100 publications, Carter's research focuses on thin film optoelectronic technologies, solid state lighting, biosensors, solar energy, and agriculture technologies. She is a recipient of the 1996 Packard Fellowship and is a Fellow of the American Physical Society.